Appendix

[Vide answer to question No. 757 asked by Mr. Daniel Thomas at the meeting of the Legislative Council held on the 9th March 1934, page 611 supra.]

Extract of letter from the Collector of Tinnevelly, D. Dis. No. 5506/33, *dated the* 14*th December* 1933.

* * * *

The taluks that suffered most were Tinnevelly, Srivaikuntam and Sankarankoil; Koilpatti and Tenkasi taluks also suffered to a lesser degree.

Public Works Department works.—Appendix A shows the number of Public Works Department works damaged in each taluk and the probable cost of repairing them.

The Tambraparni river breached in many places in Srivaikuntam taluk. The right and left flood banks were carefully patrolled and timely action was also taken to prevent breaches. The right flood bank below the Srivaikuntam anicut did not breach except at Authoor where the old bank breached for a short length, but the new bank was not affected. The left flood bank below the Srivaikuntam anicut slipped badly on the north main channel side in many places. Near Appankoil the bank breached for a length of 500 feet. The worst breach in the left flood bank was near Eral for a length of 1,100 feet inundating a part of Eral village.

In Koilpatti taluk, the Vaippar river was in full floods, overflowing its banks in many places and inundating the south-west of Vilathikulam village.

Of supply channels, the Tinnevelly channel suffered most, the breach being due to the onrush of river water into the channel through the abandoned breach in the flood bank above the Suthamalli anicut.

In Srivaikuntam taluk, the Kaliavur tank above the Marudur anicut breached in three places owing to a breach of 200 feet in the left flood bank above the Marudur anicut; the cost of restoration is estimated at Rs. 1,000. The Arumugamangalam surplus channel breached in 19 places and the Korkayan channel in 22 places damaging a large extent of standing crops and silting up the channel in many places. The Korkal tank also breached. The Marudur-Kilakal channel breached in no less than 20 places. The repairs will cost about Rs. 6,500. The Executive Engineer estimates the cost of repairing the breaches in tanks and channels under the Srivaikuntam anicut system at Rs. 39,500 approximately.

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In Tiruchendur taluk the right flood bank (Tambraparni river) at Authoor breached. In Tinnevelly taluk, there were 19 breaches in the Public Works Department sources which will cost about Rs. 5,570 to repair. Eleven tanks in Sankarankoil taluk breached, the cost of restoring them will come to about Rs. 2,430.

There were many breaches under the Chittar river irrigation system; the cost of repairs is estimated at Rs. 35,000.

The Public Works Department are taking steps to carry out emergent repairs, so that supplies may be sent down the channels for irrigation.

Minor irrigation works.—Appendix B shows the number of tanks and channels breached in each taluk and the approximate cost of repairing them. The ryots have put up ring bunds in front of breaches in most of the tanks to conserve water for the standing pishanam crops. Large sums will have to be spent by ryots in reclaiming land (about 854 acres) silted up in Sankarankoil, Srivaikuntam and Tinnevelly taluks.

Damage to other properties.—(a) *Communications*—

(i) *Railways.*—The South Indian Railway line breached at several places in Tinnevelly and Sankarankoil taluks. In Tinnevelly taluk, the line breached between Melakallur and Gangaikondan railway station. Similar breaches were caused on the Virudunagar-Tenkasi chord line in Sankarankoil taluk—one between Cholapuram and Karivalamvandanallur and another near Pambankoil shandy station. The extent of damage is estimated at Rs. 2,000 in Sankarankoil taluk and at Rs. 11,000 in Tinnevelly taluk. The breaches between Melakallur and Gangaikondan were restored the day after the heavy rains and those in Sankarankoil taluk in a week.

(ii) *Roads.*—The damage to roads was very heavy in Koilpatti and Sankarankoil taluks owing to floods in the Vaippur river in Koilpatti taluk and breaches in irrigation sources in Sankarankoil taluk. The trunk roads too sustained serious damage, the worst damage being on the Madura-Tinnevelly road, north of the Gangaikondan bridge over the Chittar river. There were breaches also on Tinnevelly-Sankarankoil road and Tenkasi-Madura road via Srivilliputtur. The Palamcottah-Tuticorin road and the Palamcottah-Tiruchendur road sustained damages in parts. The district board is taking steps to close the breaches and to provide diversion roads. The roads within the Tinnevelly Municipality breached badly but they were set right promptly and traffic restored on 11th November 1933.

Private property.—Appendix C, Part I, shows the estimated number of houses and cattle destroyed in each taluk and damages caused to private properties. Part II shows separately villages where houses were destroyed. On the whole, about 790 houses were destroyed. The total loss on this account is estimated at Rs. 13,478. About 127 cattle were lost. The largest number of houses affected was in Srivaikuntam,

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Sankarankoil and Tinnevelly taluks. The damage to the houses was largely due rather to heavy rain. In Srivaikuntam taluk, the damage to houses confined to Kilpidagai Appankoil, Kilpidagai kasba, Sriparangusanallur, Korkai and Valavallan villages. Steps are being taken to make free grant of palmyras to such of those who are in need of them for rebuilding their houses.

* * * * *

APPENDIX A.

List of works in charge of the Public Works Department affected by the floods in Tinnevelly district.

Taluk.	Number of tanks and channels affected.	Extent of damages.
		RS.
Ambasamudram	17	..
Koilpatti	1	1,000
Nanguneri	6	..
Sankarankoil	11	2,430
Srivaikuntam	70	* 48,410
Tenkasi	13	..
Tinnevelly	12	5,320
	7	250
Tiruchendur	1	..
Total ..	138	57,410

* Excludes (1) the cost of repairing the flood banks of Tambraparni, Rs. 47,200 and (2) the Chittar river M.D. repairs, Rs. 35,000.

APPENDIX B.

List of works in charge of the Revenue Department affected by the floods in Tinnevelly district.

Taluk.	Number of works affected.	Extent of damages.
		RS.
Ambasamudram	15	700
Koilpatti	15	2,240
Nanguneri	* 11	..
Sankarankoil	53	8,400
Srivaikuntam	8	175
Tenkasi	* 8	..
Tinnevelly	26	3,130
	6	150
Tiruchendur	..	..
Total ..	142	14,795

* Small breaches.

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APPENDIX C.

Part I.

Statement showing the extent of damages to private property—Tinnevelly District.

	Houses destroyed.		Cattle destroyed.		Movables.		Reclamation of land silted up.	
	Number.	Estimated amount of loss.	Number.	Estimated amount of loss.	Nature of property.	Estimated amount of loss.	Area.	Amount.
		RS.		RS.		RS.	ACS.	RS.
Ambasamudram Taluk—Nil.								
Koilpatti Taluk.								
	84	668	..	..	..	..	..	..
Nanguneri Taluk—Nil.								
Sankarankoil Taluk.								
	154	2,535	3 buffaloes. 110 sheep.	75 440	Food, grains, vessels.	610	79·71	1,168
Srivaikuntam Taluk.								
	415	8,275	..	..	Food, grains, clothes, brass vessels.	15,250	632·80	35,825
Tenkasi Taluk—Nil.								
Tinnevelly Taluk.								
	137	2,000	14 sheep	50	..	..	142	3,000
Tiruchendur Taluk—Nil.								
Total ..	790	13,478	127	565		15,860	854·51	39,993

Part II.

List of villages in which houses were destroyed—Tinnevelly district.

Name of villages.	Number of houses destroyed.
Koilpatti.	
Muthulapuram	38
Singilipatti	2
Sithanaickenpatti	23
Kailasapuram	3
Vadamalapuram	3
Nambipuram	15
Total ..	84
Sankarankoil taluk.	
Manalur	1
Vadakku Panavadali	20
Vannikonendal	72
Sundankurichi	42
Achampatti	11
Kalingapatti	5
Moovirundali	2
Ramasamipuram	1
Total ..	154
Srivaikuntam.	
Sriparangusanallur	60
Srivaikuntam	25
Kilpidagai Appancoil	135
Kilpidagai Kasba	109

Name of villages.	Number of houses destroyed.
Srivaikuntam—cont.	
Chettipathu	5
Mangalakurichi	4
Srithondanallur	2
Valavallan	30
Korkai	41
Maramangalan	1
Vattalapuram	1
Seidunganallur	1
Vadavallanad	1
Total ..	415
Tinnevelly.	
Chatram Pudukulam ..	137 (total for the following villages)
Pirayankulam	
Alaganeri	
Gangaikondan	
Chittarchatram	
Sidaparpanallur	
Palamadai	
Piranjeri	
Selianallur	
Talayuthu	
Total ..	137

Statement of damages caused by floods in November 1933—Tinnevelly division.

Serial number and situation. (1)	Particulars of breach. (2)	Approximate cost of restoration. (3)	Remarks. (4)
		RS.	
1 Kannadian channel	Minor breaches	500	
2 Kodagan channel	Do.	750	
3 Tinnevelly channel and tanks fed by it.	About 20 breaches all along the channel ..	2,500	
4 Marudur anicut system—			
(a) Left flood bank above Marudur anicut.	Two hundred feet breach at about fourth furlong.	1,000	
(b) Kizhakal channel	About 23 minor breaches all along	5,500	
Srivaikuntam anicut system—			
(a) North main channel ..	Breaches between 5/7 to 6/0 and 8/3 to 8/4 and a few minor ones here and there.	13,000	RS. General repairs .. .. .. 500 Breach between 5/7 to 6/0 .. 200 Breach at 8/3 to 8/4 .. .. 12,000 Excavation of silted up portions .. .. 300 Total .. 13,000
(b) Korakkai channel	Breaches at 0/2 to a length of 220 feet, 100 feet between 0/3 to 0/4 bed of channel silted up to a depth ranging from 6 feet to 1 foot; some minor breaches as well, about 10 in number, between 1/3 to 2/2.	2,000 *	I propose brick in cement (1 : 5) masonry walls on either side for 8/3 to 8/4 and has to be done at once as arrangements to let down water now would cost about Rs. 4,000. RS. * Breach closing .. .. 1,500 Excavating channel .. .. 500 Total .. 2,000
(c) Left flood bank below Srivaikuntam anicut.	Slips between 0/4 to 0/5. Breach 200 feet long between 0/6 to 0/7, scour and slip between 4/0 to 4/1, scour for 250 feet length and breach 500 feet long between 4/1 and 4/3. Breach 100 feet length between 8/2 to 8/3 and breach 1,100 feet length between 8/3 to 8/5.	24,500	Breach at Eral .. .. .. 17,000 Breach at Appankoil .. .. 6,000 The rest .. .. 1,500 Total .. 24,500

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Serial number and situation. (1)	Particulars of breach. (2)	Approximate cost of restoration. (3)	Remarks. (4)
		RS.	
Chittar system—			
Marandai channel	Nine breaches	600	
Manur channel	Seven breaches	600	
Manur tank	One breach	100	
Nettur channel and tank ..	Six breaches	400	
Pallikottai channel and Palla-madai tanks.	Nine breaches	850	
Pillayarkulam channel and anicut.	Stopwall between head sluice and anicut is breached for 150 feet.	800	
	Two breaches in channel	100	
Melapillayarkulam	Three breaches	200	
Kilapillayarkulam	Five breaches	600	
Shelianallur channel and tank.	Three breaches	500	
Piranjeri channel	Four breaches	500	
7 Kangayam channel system—			
Kangayam channel	A few minor breaches	1,200	
Papankulam	Do.	200	
Marankulam	A breach in deep bed of tank 150 feet length ..	800	
Saralkulam tank and supply channel.	Minor breaches	200	
Karunkulam tank	Do.	100	
8 Tanks—			
Kaliavur tank	Three breaches	1,000	As per Tahsildar's reports there seem to be some more tanks in this taluk which have been breached. The report from the Subdivisional Officer is still awaited. But I understand they are not serious.
Manalur tank	Do.	1,500	
Melanilidanallur Periyakulam..	Minor breaches	500	
Tiruvengadam supply channel.	Minor breaches at seven places	500	
Other tanks	Minor breaches	500	
	Total ..	61,500	

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